

## POWERFUL PERFORMANCE ANYWHERE YOU NEED IT

Sharp's MX-B402 offers productivity in action to speed output and streamline document workflow for enhanced performance.

the **SHARP® Frontier Series**, bringing exceptionally crisp output closer to your workgroup with a **hybrid design** that has a small footprint to fit into environments others won't, yet isn't small on functionality. The **large 7" wide-screen color touch-panel** simplifies operation by providing an intuitive user interface to keep ahead of today's fast-paced office document distribution needs. Incorporating **common controller architecture**, this model provides uniform functionality and operability as found in Sharp's **award-winning MFP product line**. Engineered to help reduce operating costs and downtime, the MX-B402 is easier than ever to set up, monitor, and maintain. This model offers modular expandability, remote-access capabilities, and a **value-added approach** to network and software integration. The latest in a long line of innovative products from today's fastest-growing name in office electronics, it also offers Sharp's **award-winning SHARP OSA® platform** and the optional **industry-leading Sharp security suite** to help protect data and control access. In addition, its ease and versatility will change your mind about MFPs. More power, less complexity...that's **work without limits**.

- Crisp black-and-white documents can be quickly and accurately produced at speeds up to **40** pages per minute, and print resolutions up to **1200 x 1200 dpi**.
- Powerful 800 MHz controller for **true multi-tasking** performance and increased **multi-functional** productivity.
- The **high-yield** toner cartridge provides **double the lifespan** versus its predecessor.
- The **refillable developer** system helps **lower cost per copy** and **increases environmental sustainability**.
- Large **7" high-resolution, wide-screen color touch-panel** with intuitive graphical user interface makes advanced copying, printing, scanning and faxing functions easy-to-use.
- The optional, **space-saving Inner Finisher** not only provides exceptional productivity, but also automates time-consuming tasks such as stapling, sorting and offset stacking.
- The optional **Business Card Feeder** can help automate contact database entry.
- Standard 50-sheet reversing single pass document feeder supports **full-color** scanning.
- Sharp's **ImageSEND™** technology securely scans documents to seven types of destinations at speeds up to 35 images per minute.
- Sharp's easy-to-use Document Filing System provides a high-capacity up to 50 GB of hard drive space for **fast document storage and retrieval**, with **thumbnail view and image preview**.
- Standard PCL®6/PCL5e **printing system** with **direct print** function and available Postscript® 3™ and Windows® XPS options.
- The optional **Super G3 Fax Kit** provides intelligent Inbound Fax Routing.
- Third-generation Sharp OSA development platform enables users to **access network applications**, helping to **reduce redundancy and streamline workflow**.
- Offers Sharp's latest **award-winning** multi-level document and network **security suite**, which conforms to the **IEEE-2600™ – 2008 security standard** for MFP devices.
- The cutting-edge Sharp **Remote Front Panel** feature allows administrators and help desk professionals to access and control the device from a remote PC workstation.



# MX-B402 SPECIFICATIONS

## Main Specifications

<b>MX-B402</b>	Includes multi-tasking controller, 80 GB HDD with document filing system, PCL® 5e/PCL 6/PostScript® 3 network printing, network scanning, 50-sheet RSPF, auto-duplex, 500-sheet paper drawers and 100-sheet bypass. Toner and developer are sold separately.
<b>Type</b>	Monochrome multi-function digital document system
<b>Functions</b>	Copy, print, network print, network scan, document filing and fax¹
<b>Copy System</b>	Dry electrostatic transfer/Dual component developer/Magnetic brush development/OPC drums/HeatRoller fusing/Cold cathode white lamp
<b>Originals</b>	Sheets and bound documents
<b>Max Original Size</b>	8-1/2" x 14"
<b>Copy Size</b>	Min: 5-1/2" x 8-1/2", Max: 8-1/2" x 14"
<b>Copy Speed</b>	40 ppm (Letter)
<b>Multiple Copy</b>	Max: 999 copies
<b>First Copy Time</b>	Platen glass: 8.0 seconds or less² RSPF: 9.9 seconds or less³
<b>Warm-Up Time</b>	50 seconds or less
<b>Magnification</b>	50% to 200% in 1% increments (50 to 200% for RSPF)
<b>Original Feed</b>	50-sheet RSPF with original size detection
<b>Scan Speed</b>	Copy mode (Simplex): Up to 35 ipm (B&W) @ 600 X 300 dpi. Network Scan (Simplex): Up to 35 ipm (B&W or color) @ 200 x 200 dpi.
<b>Original Sizes</b>	5-1/2 x 8-1/2 / 8-1/2 x 14 (1-sided: 9 to 32 lb. bond; 2-sided: 13 to 28 lb. bond)
<b>Paper Feed System</b>	Standard: 500 sheet paper drawer (Letter/Legal) and 100 sheet bypass tray (Letter/Legal). Optional: Up to 3 additional 500-sheet paper drawers (Letter/Legal)²
<b>Paper Types</b>	Paper drawers: 16-28 lb. bond. Other types include: plain, pre-printed, recycled, pre-punched, letterhead, and color paper. Bypass tray: 16-28 lb. bond (plain paper), 15-16 lb. (thin paper), 28 lb. bond-110 lb. index (heavy paper), 20-24 lb. (Monarch/Com-10 envelope). Other types include label paper, gloss paper, pre-printed, recycled, pre-punched, letterhead, color film and OHP Film.
<b>Duplexing</b>	Standard automatic duplex copying, scanning and printing
<b>CPU</b>	Power QUICCIII-MPC8533E/800MHz
<b>Interface</b>	RJ-45 Ethernet (10Base-T/100Base-TX/1000Base-T), USB 2.0 (Host Port), USB 2.0 (Device Port)
<b>Memory</b>	Standard 512 MB (copier); 512 MB (printer/network scanning) memory
<b>Hard Disk Drive</b>	80 GB; 38 GB Main Folder/12 GB Custom/Quick Folder document filing system and electronic sorting
<b>Copy Resolution</b>	Scan: 600 dpi; Copy output: 600 dpi
<b>Exposure Control</b>	Auto Modes: Text, Text/Printed-Photo, Text/Photo, Printed-Photo, Photo, Map, Light Original Settings: Auto exposure control or 9 step manual exposure
<b>Halftone</b>	256 gradations/2 levels (monochrome)
<b>Copy Features</b>	Scan-Once-Print-Many, electronic sorting, offset stacking, Auto Exposure Selection (AES), Auto Paper Sensing (APS), Auto Magnification Sensing (AMS), Auto Tray Switching (ATS), Auto Shut-Off (ASO), rotation copy, reverse copy, pamphlet copy, margin shift, edge erase, OHP insertion, job build, card shot, reverse image, black-white reversal, centering, proof copy, 2-in-1, 8 business cards layout, photo repeat, document filing, account management, job programs, date/character/page stamp
<b>Account Control</b>	Up to 1000 users. Supports user-number authentication (on device), login name/management, date/character/page stamp, Copy, Print, Scan, Fax and Document Management
<b>Output Tray Capacity</b>	Main output tray (top) 250 sheets (face down)
<b>Firmware Management</b>	Flash ROM with local (USB); network update capability and firmware update 1 to N with Printer Administration Utility (PAU)
<b>Configuration Method</b>	Web-based management system with user/administrator level login security, cloning (1 to N) with Printer Administration Utility (PAU) and Remote Front Panel access

<b>Service/Maintenance</b>	Printer Administration Utility (PAU) and Remote Front Panel access to service logs, click counts, diagnostic data, and service alerts.
<b>Power</b>	AC 100-127VAC, 60Hz, 12 AMPS
<b>Power Consumption</b>	Maximum: 1.44kW or less
<b>Weight</b>	Approx. 97 lbs. (base model) including supplies
<b>Dimensions</b>	22-3/64" x 19-13/32" x 28-7/64"

## Network Printing System (Standard)

<b>PDL</b>	PCL5e, PCL6, PostScript 3 compatible, XPS¹
<b>Resolution</b>	1200 dpi, 600 dpi
<b>Print Speed</b>	40 ppm (Letter)
<b>Print Drivers</b>	CD-ROM: Windows 2000, Windows XP, Windows Server® 2003, Windows Vista®, Windows 7, Windows Server 2008, MAC OS® OS-X (including 10.4.11, 10.5-10.5.8, 10.6-10.6.2), all MAC PPD. Via Download: Windows Server 2008R2, MAC OS 9.0-9.2.2, OS-X 10.2.8, 10.3.9
<b>Print Features</b>	Continuous printing, duplex printing, pamphlet printing, N-up printing, image rotation, different cover page/last page, transparency inserts, carbon copy print mode, fit-to-page, poster print, margin shift, mirror image, watermarks, overlay, confidential print, confidential batch print, print hold, bypass printing, job priority printing and direct printing.¹
<b>Direct Printing</b>	File Types: TIFF, JPEG, PCL, PRN, TXT, PDF, Encrypted PDF, PostScript and XPS¹. Methods: FTP, Web Page, E-mail and USB Memory
<b>Resident Fonts</b>	80 outline Fonts
<b>Interface</b>	RJ-45 Ethernet 10Base-T/100Base-TX/1000Base-T
<b>Operating Systems</b>	Windows 2000, XP, Server 2003/2008, Vista, 7, MAC OS-9.0, MAC OS-X, Novell® Netware® 3x, 4x, 5x, Sun® OS 4.1x, Solaris® 2x, UNIX, Linux, Citrix® (Metaframe, Presentation Server 4, 4.5) and Windows Terminal Services
<b>Network Protocols</b>	TCP/IP (IPv4, IPv6, IPSEC) SSL (HTTP, IPP, FTP), SNMPv3, 802.1x for Windows and UNIX. LPD and LPR for UNIX. IPX/SPX® for Novell environments. EtherTalk® and NetBEUI, AppleTalk for Macintosh® environments.
<b>Printing Protocols</b>	LPR, IPP, IPPS, PAP, Raw TCP (port 9100), FTP and Novell Pserver/Rprinter
<b>Network Security</b>	IP/Mac address filtering, protocol filtering, port management, user authentication and document administration.
<b>Security Standards</b>	IEEE 2600-2008, DoD (NSTISSP) #11, DoD Directive 8500.2, DoD (DISA)

## Network Scanning System (Standard)

<b>Max Original Size</b>	Platen Glass: 8-1/2" x 11" RSPF: 8-1/2" x 19-5/8" (long-size mode)
<b>Optical Resolution</b>	600 dpi
<b>Output Modes</b>	600 dpi, 400 dpi, 300 dpi, 200 dpi, 100 dpi
<b>Scan Modes</b>	Color, monochrome, grayscale
<b>Image Formats</b>	Monochrome: TIFF, PDF, Encrypted PDF, XPS¹ Color: Grayscale, Color TIFF, JPEG, PDF, Encrypted PDF, XPS¹ Internet Fax: TIFF-FX, HIFF-F, TIFF-S¹
<b>Image Compression</b>	Monochrome Scanning: Uncompressed, G3 (MH), G4 (MR/MMR) Color/Grayscale: JPEG (High, middle, low) Internet Fax mode: MH/MMR (option)
<b>Scan Destinations</b>	E-mail, Desktop, FTP, Folder (SMB), USB, Internet fax (option), Super G3 fax (option)
<b>One-Touch Destinations</b>	Up to 999 (combined scan destinations)
<b>Group Destinations</b>	Up to 500
<b>Programs</b>	48 (combined)
<b>Max. Jobs in Memory</b>	Up to 94
<b>Network Protocols</b>	TCP/IP and SSL (Includes HTTP, SMTP, LDAP, FTP, POP3), SMB, ESMTP and 802.1x
<b>Network Security</b>	E-mail server user authentication for LDAP and Active Directory
<b>Software</b>	Sharpdesk® desktop document management software (1 user license)

## B&W Super G3 Fax Kit (Option)

<b>Transmission Mode</b>	Super G3, G3
<b>Modem Speed</b>	33.6 KBPS³
<b>Compression Methods</b>	JBIG, MMR, MR, MH
<b>Scanning Method</b>	Sheet fed simplex or duplex or book
<b>Max Transmit Resolution</b>	400 dpi
<b>Transmit Speed</b>	Approx. 2 seconds with Super G3/JBIG⁴
<b>Auto Dialing</b>	Up to 999 (combined scan destinations)
<b>Group Dial/Destinations</b>	Up to 500
<b>Inbound Fax Routing</b>	Forwards received fax data to E-mail, FTP, Desktop, SMB
<b>Long Length Originals</b>	Up to 19-5/8" (for transmission)
<b>Programs</b>	48 (combined)
<b>Memory</b>	8 MB (exclusive)
<b>Halftone</b>	256 levels
<b>Fax Features</b>	Quick on-line transmission, direct transmission, F-Code transmission/reception, rotate transmission, timer transmission, anti-junk fax reception, automatically staple received faxes, secure fax release, out of paper memory reception, auto redial, duplex reception transaction reports, activity reports and PC Fax.

## Inner Finisher (Option)

<b>Type</b>	Built-in Finisher
<b>Output Capacity</b>	Up to 280 sheets (Letter/Legal), 20 envelopes
<b>Output Delivery</b>	Face down
<b>Stapling Media</b>	Plain/Thin/Heavy/Recycled/Letterhead/Pre-punched/Colored/Preprinted paper
<b>Stapling Positions</b>	Single corner position
<b>Power Source</b>	Supplied from the main unit
<b>Stapling</b>	30 sheets Letter/Legal
<b>Stapled Sets</b>	10 bundles or 300 sheets (letter/legal)
<b>Weight</b>	Approx. 19.8 lbs
<b>Dimensions (When tray is expanded)</b>	18-2/3" x 13-1/16" x 6-3/16"

## Optional Equipment

<b>MX-FN12</b>	Inner Finisher
<b>MX-CSX1</b>	500 sheet Paper Feed Unit for Tray 2
<b>MX-CSX2</b>	500 sheet Paper Feed Unit for Trays 3 & 4
<b>MX-DS13</b>	Base Plate
<b>MX-DS14</b>	Stackable Cabinet
<b>MX-BTX1</b>	Business Card Feeder
<b>MX-PUX1</b>	XPS Expansion Kit (Requires MX-SHP1GBXPS)
<b>MX-SHP1GBXPS</b>	Expansion Memory 1 GB (Required for MX-PUX1)
<b>AR-PF1</b>	Bar Code Font Kit
<b>MX-FX3</b>	Fax Expansion Kit
<b>MX-FWX1</b>	Internet Fax Expansion Kit
<b>DVENDFS</b>	Vendor Cable Kit
<b>DCL310S</b>	CAC External Option
<b>MX-FR26U</b>	Commercial Data Security Kit⁵
<b>MX-CFCRM1</b>	Card Reader Mounting Kit⁶
<b>MX-AMX1</b>	Application Integration Module
<b>MX-AMX2</b>	Application Communication Module
<b>MX-AMX3</b>	External Accounting Module

## Supplies

<b>MX-B42NT1</b>	Black Toner Cartridge
<b>MX-B42NV1</b>	Black Developer
<b>MX-C40NRB</b>	Black Drum Cartridge
<b>MX-B40HB</b>	Toner Collection Container
<b>MX-SCX1</b>	Staple Cartridge (3 cartridges per carton)

¹ Some features require optional equipment.

² Paper capacity is based on letter size paper.

³ Actual transmission time will vary based on line conditions.

⁴ Based on Sharp Standard Test Chart with approximately 700 characters, letter size in standard resolution.

⁵ Not available at time of launch.

⁶ Specifications may vary depending on product configuration, machine settings and operating and/or environmental conditions.



SHARP ELECTRONICS CORPORATION  
1 Sharp Plaza, Suite 1  
Mahwah, NJ 07495-1123  
1-800-BE-SHARP • www.sharpsusa.com

Design and specifications subject to change without notice. Sharp, Sharp OSA, Sharpdesk, My Sharp, and all related trademarks are trademarks or registered trademarks of Sharp Corporation and/or its affiliated companies. Windows, Windows NT, Windows Server and Windows Vista are trademarks or registered trademarks of Microsoft Corporation. All other trademarks are the property of their respective owners.